

(FILE 'HOME' ENTERED AT 18:28:37 ON 06 SEP 2000)

FILE 'HOME' ENTERED AT 18:28:54 ON 06 SEP 2000

2000 FILE 'MEDLINE, CAPLUS, BIOSIS, GENBANK' ENTERED AT 18:29:18 ON 06 SEP

L1 655 S NITRILASE

L2 43 S L1 AND NIT1

L3 27 DUP REMOVE L2 (16 DUPLICATES REMOVED)

L3 ANSWER 12 OF 27 MEDLINE
AN 94294436 MEDLINE
DN 94294436
TI Differential regulation of an auxin-producing **nitrilase** gene
family in *Arabidopsis thaliana*.
AU Bartel B; Fink G R
CS Whitehead Institute for Biomedical Research, Massachusetts Institute of
Technology, Cambridge 02142.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA, (1994 Jul 5) 91 (14) 6649-53.
Journal code: PV3. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
OS GENBANK-U09958; GENBANK-U09959; GENBANK-U09961
EM 199410

DUPLICATE 10

L3 ANSWER 10 OF 27 MEDLINE

DUPLICATE 8

AN 96235134 MEDLINE

DN 96235134

TI Structure of the gene encoding **nitrilase** 1 from *Arabidopsis thaliana*.

AU Hillebrand H; Tiemann B; Hell R; Bartling D; Weiler E W

CS Lehrstuhl fur Pflanzenphysiologie, Ruhr-Universitat, Bochum, Germany.

SO GENE, (1996 May 8) 170 (2) 197-200.

Journal code: FOP. ISSN: 0378-1119.

CY Netherlands

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-X86454

EM 199610

L1 ANSWER 1 OF 1

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LOCUS (LOC): HSU46922 GenBank (R)
 GenBank ACC. NO. (GBN): U46922
 CAS REGISTRY NO. (RN): 173825-83-7
 SEQUENCE LENGTH (SQL): 1095
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Primates
 DATE (DATE): 8 May 1996
 DEFINITION (DEF): Human FHIT mRNA, complete cds.
 SOURCE: human.
 ORGANISM (ORGN): Homo sapiens
 Eukaryotae; mitochondrial eukaryotes; Metazoa;
 Chordata; Vertebrata; Eutheria; Primates; Catarrhini;
 Homnidae; Homo
 NUCLEIC ACID COUNT (NA): 274 a 313 c 252 g 256 t
 REFERENCE: 1 (bases 1 to 1095)
 AUTHOR (AU): Kastury,K.; Baffa,R.; Druck,T.; Ohta,M.;
 Cotticelli,M.G.; Inoue,H.; Negrini,M.; Rugge,M.;
 Huang,D.; Croce,C.M.; Palazzo,J.; Huebner,K.
 TITLE (TI): Potential Gastrointestinal Tumor Suppressor Locus at
 the 3p14.2 FRA3B Site Identified by Homozygous
 Deletions in Tumor Cell Lines
 JOURNAL (SO): Cancer Res. (1996) In press
 REFERENCE: 2 (bases 1 to 1095)
 AUTHOR (AU): Ohta,M.; Hiroshi,I.; Cotticelli,M.G.; Kastury,K.;
 Baffa,R.; Palazzo,J.; Siprashvili,Z.; Mori,M.;
 McCue,P.; Druck,T.; Croce,C.M.; Huebner,K.
 TITLE (TI): The FHIT gene, spanning the chromosome 3p14.2 fragile
 site and renal carcinoma-associated t(3;8) breakpoint,
 is abnormal in digestive tract cancers
 JOURNAL (SO): Cell, 84 (4), 587-597 (1996)
 OTHER SOURCE (OS): CA 124:172160
 REFERENCE: 3 (bases 1 to 1095)
 AUTHOR (AU): Ohta,M.; Hiroshi,I.; Cotticelli,M.G.; Kastury,K.;
 Baffa,R.; Palazzo,J.; Siprashvili,Z.; Mori,M.;
 McCue,P.; Druck,T.; Croce,C.M.; Huebner,K.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (19-JAN-1996) Teresa Druck, JCI, Thomas
 Jefferson University, 233 S. 10th St., Philadelphia,
 PA 19107, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..1095	/organism="Homo sapiens" /chromosome="3" /map="3p14.2"
gene	363..806	/gene="FHIT"
CDS	363..806	/gene="FHIT" /note="member of the histidine triad (HIT) gene family; similar to the S. pombe diadenosine 5',5'''-P1,P4-tetrphosphate asymmetrical hydrolase" /codon-start=1 /db-xref="PID:g1203836" /translation="MSFRFGQHLIKPSVVFLKTE LSFALVNRKPVVPGHVLVCPLRPV"

ERFHDLRPDEVADLFQTTQRVGTVVEKHFHGTSL
TFMQDGPEAGQTVKHVHVHVLPR
KAGDFHRNDSIYEELQKHKEDFPASWRSEEEMA
AEAAALRVYFQ"

SEQUENCE (SEQ):

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181 ctgagaacag tctgtaaagg tccgtagtgc tatctacatc cagacggtgg aaggagagaga
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